NATIONAL SCIENCE FOUNDATION

ANNOUNCEMENT NUMBER S20010062 IPA

DIRECTOR,
DIVISION OF COMPUTER-COMMUNICATIONS RESEARCH

The National Science Foundation is seeking qualified candidates for the position of Director, Division of Computer-Communications Research in the Directorate for Computer and Information Science and Engineering. In addition to seeking candidates who are interested in appointment on a Senior Executive Service career basis (S20010062 C) or limited term basis (S20010062 LTD), NSF is also inviting individuals who might be interested in an Intergovernmental Personnel Act assignment to submit an application. A statement of duties of the position and a list of qualification requirements are included below and on the reverse side of this announcement.

Initial assignments under the IPA mechanism may be made for a period of up to two years. Individuals eligible for an IPA assignment with a Federal agency include employees of State and local government agencies or institutions of higher education, Indian tribal governments, and other eligible organizations in instances where such assignments would be of mutual benefit to the organizations involved. The individual remains an employee of the home institution and cost-sharing arrangements are generally negotiated between NSF and the home institution. **Individuals interested in an IPA assignment should submit a curriculum vitae or Federal application form and a letter referencing qualifications to the following address:**

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National Science Foundation
Division of Human Resource Management
Executive Personnel and Development Branch
ATTN: S20010062 IPA
4201 Wilson Boulevard, Room 315
Arlington, VA 22230

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The closing deadline for receipt of applications is January 26, 2001.

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APPLICANTS WHO APPLIED UNDER EP 00-18 WILL BE CONSIDERED AND NEED NOT REAPPLY.

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The phone number for vacancy announcements coordinated by the Executive Personnel and Development Branch is (703) 292-8755; hearing impaired individuals should call TDD on 703-292-8044. Persons interested in the Senior Executive Service appointment options should request copies of announcements S20010062 C and S20010062 LTD for additional information and application instructions. Announcements may be accessed electronically on the World Wide Web under Vacancies on NSF's Homepage (www.nsf.gov/home/chart/work.htm#hrm). Information on the NSF mission, structure, programs and operations may be found at www.nsf.gov. The National Science Foundation provides reasonable accommodations to applicants with disabilities on a case-by-case basis. If you need a reasonable accommodation for any part of the application and hiring process, please notify the point of contact located on this vacancy announcement.

STATEMENT OF DUTIES: Serves as a member of the CISE Directorate leadership team and as the Foundation's principal spokesperson involving research and education in the area of computer-communication research (C-CR). Directs activities of C-CR, which supports research in a broad array of areas including design automation; computer systems architecture; software engineering and languages, operating systems and compilers; theory of computing; numeric, symbolic, and geometric computation; communications; and signal processing systems. The Division supports interdisciplinary research in the context of computer science and engineering, including research on challenge problems, biocomputing, and computational biology. Basic themes of C-CR work center on parallel and distributed systems, high confidence systems, security, reliability, applied algorithms and problem solving environments. Implements overall strategic planning and policy setting; provides leadership and guidance to Division staff members; determines funding requirements and budget estimates; balances program needs; oversees the evaluation of proposals and recommendations for awards and declinations; and represents NSF to relevant external groups.

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NSF IS AN EQUAL OPPORTUNITY EMPLOYER COMMITTED TO EMPLOYING A HIGHLY
QUALIFIED STAFF THAT REFLECTS THE DIVERSITY OF OUR NATION.
(Continued on reverse side of announcement)

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DIRECTOR, DIVISION OF COMPUTER-COMMUNICATIONS RESEARCH

QUALIFICATIONS REQUIREMENTS

Essential
EXECUTIVE/MANAGERIAL

1. Demonstrated ability to develop and implement an organizational vision that integrates key national science, technology, and education goals in conceptualizing, formulating, and implementing policy on information technology issues that effectively balance technical considerations, public interest, private involvement, and governmental activities. (Leading Change)

2. Demonstrated ability to achieve organizational objectives by creatively managing and motivating staff. Includes the ability to promote quality through the effective use of performance standards and assessment. Includes valuing cultural diversity and other differences, promoting developmental opportunities, fostering commitment and team spirit, and constructively resolving conflicts. (Leading People)

3. Demonstrated knowledge and ability in planning, prioritizing, and coordinating diverse scientific research and education programs. Includes the ability to make timely and effective decisions, to produce results through strategic planning, to implement and evaluate programs and policies, and to balance complex and diverse program demands within available resources. (Results Driven Leadership)

4. Demonstrated ability to utilize human, financial, material, and information resources in a manner that instills public trust and accomplishes the organization's mission and to take advantage of new technologies to enhance the effectiveness of decision making. Includes demonstrated ability in recruiting and selecting staff, allocating financial resources, and managing budgetary processes. (Business Acumen)

5. Demonstrated ability to serve as a senior spokesperson for a major organization involved in the support of research and education in computer and information science and engineering activities and to foster partnerships. Includes the ability to coordinate organizational strategy and initiatives with other Federal organizations and academic and industrial organizations, and to effectively communicate policy and strategic plans to the external community, including the public, the Congress industry and scientific colleagues in other disciplines. (Building Coalition/Communication)

Desirable
1. Demonstrated ability to achieve organizational goals through effective and innovative management approaches emphasizing interdisciplinary coordination and teamwork.

Essential
PROFESSIONAL/TECHNICAL
1. Ph.D. or equivalent professional experience or a combination of education and equivalent experience in computer and information sciences and engineering or a related scientific or engineering field.

2. Familiarity with Federal, academic and industrial research and infrastructure and initiatives focused on computer and information science and engineering research and infrastructure.

3. Substantial research contributions and strong evidence of scholarship focusing on computer and information sciences and engineering, including publication of research, and recognized effective, innovative leadership in research administration.

4. Skill in recognizing, developing and implementing approaches and programs which build on the expertise and knowledge of researchers in several disciplines to develop solutions to important cross-cutting research and education problems.

Desirable
1. Demonstrated broad knowledge of diverse fields of computer and information science and engineering.
2. Demonstrated knowledge of relevant academic community and recognized professional standing in the scientific community as evidenced by publications and/or professional leadership and awards.
3. Knowledge of grant and contract administration, fiscal management, and budget preparation with experience in scientific research support.

Vacancy Ann. #: _____   Position Status (temporary/permanent): _____

Position Title/Series/Grade: _____

INSTRUCTIONS

Your completion of this form will be appreciated. Submission of this Information is voluntary and it will have no effect on the processing of your application. The data collected will be used only for statistical purposes to ensure that agency personnel practices meet the requirements of Federal law. Pursuant to 5 CFR 1320.5(b), an agency may not conduct or sponsor, and a person is not required to respond to an information collection unless it displays a valid OMB control number. The OMB control number for this collection is 3145-0096. NSF estimates that each respondent should take about 3 minutes to complete this survey, including time to read the instructions. You may have comments regarding this burden estimate or any other aspect of this survey, including suggestions for reducing this burden. If so, please send them to NSF Reports Clearance Officer, Division of Administrative Services, NSF, 4201 Wilson Blvd., Arlington, VA. 22230.

PRIVACY ACT INFORMATION

GENERAL - This information is provided pursuant to Public Law 93-579 (Privacy Act of 1974), December 31, 1974, for individuals completing Federal records and forms that solicit personal information.
AUTHORITY - Section 7201 of title 5 of the U.S. Code and Section 2000e-16 of title 42 of the U.S. Code.

PURPOSE AND ROUTINE USES

The information is used for research and for a Federal Equal Opportunity Recruitment Program (FEORP) to help insure that agency personnel practices meet the requirements of Federal law. Address questions concerning this form and its uses to the Privacy Act Officer, National Science Foundation, Arlington, VA 22230.

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1. Today's Date: _____   2. Year of Birth: _____

3. How did you learn about the particular position for which you are applying? (Circle appropriate number.)

01 - Newspaper (specify)	10 - Federal, State or local job information center
02 - Contact with NSF Personnel Office (Agency Bulletin Board or other Announcement)	11 - State vocational rehabilitation agency or Veterans Administration
03 - NSF-initiated personal contact	12 - State employment office
04 - Science Magazine, or other professional journal or magazine (specify)	13 - School or college counselor or other official
05 - Affirmative Action Register	14 - Private job Information service
06 - Attendance at conference, meeting or job fair (specify)	15 - Private employment service
07 - NSF recruitment at school or college	16 - Friend or relative working at NSF
08 - Colleague referral	17 - Friend or relative not working at NSF
09 - NSF Bulletin	18 - NSF website
	19 - Internet or other website
	20 - Other (specify)

4. Please select the racial/ethnic category with which you most closely identify yourself. (Circle the appropriate letter)

A. **American Indian or Alaskan Native**. A person having origins in any of the original peoples of North America, who maintains cultural identification through tribal affiliation or community recognition.

B. **Asian or Pacific Islander**. A person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands. This area includes, for example, China, India, Korea, the Philippine Islands, and Samoa.

C. **Black, not of Hispanic origin**. A person having origins in any of the Black racial groups of Africa. This does not include persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish cultures or origins.

D. **Hispanic**. A person of Mexican, Puerto Rican, Cuban, Central or South . American or other Spanish culture or origin, regardless of race.

E. **White, not of Hispanic origin**. A person having origins in any of the original peoples of Europe, North Africa or the Middle East. This does not include persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish cultures or origin.

5. Sex (Circle the appropriate letter.) F - Female M - Male

6. Please provide Information on your disability status by circling the appropriate category below:
1. I do not have a disability; 2. Hearing impairment; 3. Vision impairment; 4. Missing extremities; 5. Partial paralysis; 6. Complete paralysis; 7. Convulsive disorder; 8. Mental retardation; 9. Mental or emotional illness; 10.Severe distortion of limbs and/or spine; 11. I have a disability but it is not listed.

FOR AGENCY USE

Agency Code: _____

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

NSF Form 1232 (6/2000)